COPY FROM PARENT

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

PTO FORM 1449

ATTY. DOCKET NO.
60-008763US
00001:0007.CNU006

APPLICATION NO. 10/645,695

APPLICANT

Turpen et al.

FILING DATE
Hugust 20, 2063
April 18, 2001

GROUP

Juassigned

U.S. PATENT DOCUMENTS

EXAMINER INITIAL			DOCUMENT NUMBER	CATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
MF		•	4,885,248	12/5/1989 :	Ahlquist	435	172.3	3/9/1987
		•	5,173,410	12/22/1992	Ahlquist	435	091	10/3/1989
		•	5,466,788	11/14/1995	Ahlquist	536	24.1	8/25/1994
		•	5,500,360	3/19/1996	Ahlquist <i>et al.</i>	435	172.3	3/14/1994
		•	5,602,242	2/11/1997	Ahlquist et al.	536	23.72	5/22/1995
		•	5,627,060	5/6/1997	Ahlquist et al.	435	172.3	6/7/1995
		•	5,633,447	5/27/1997.	Ahlquist et al.	800	205	6/2/1995
		•	5,670,353	9/23/1997	Ahlquist <i>et al.</i>	435	172.3	6/2/1995
1			6,232,099	5/15/01	Chapman, et al.	435	69.3	04/28/97

· FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	a	ASS	SUBCL	ASS	TRAN	SLATION
· · · · · · · · · · · · · · · · · · ·									YES	NO
ME		WO 96/12027	4/25/96	PCT					x	
		63-14693	1/1988	Japan						
	•	067,553		EPÖ						
	_	194,809	1986	EPO						
	•	278,667		EPO						
	•	AU,B,7 195 191	3/1992	Australia				::		
	•	EP,A,O 425 004	5/1991	EPO						
	•	WO,A,91 13994	9/1991	PCT					1	1
	·	WO,A,90 12107	10/1990	РСТ						
	•	EP,A,O 479 180	4/1992	EPO						
1	٠	EP,A,O 573 767	12/1993	EPO				-	1	

Douved)

10/1/05

D' ~	36.25	COF	Y FRO	M PARENT 690	08703	B sh	eet <u>' 2</u>	_ of _	_5_	
سر ۱۰ نا	ST.	WO,A,89 08145	9/1989	PCT		γ			`	١
4 TRADEM		61/158443	1986	Japan (Okada and Han)						T
MA	•	63/200789	1988	Japan (Okada and Takamatsu)		11		17	17	
1	•	WO 92/18618	1992	PCT (Lomonossoff and Johnson)		1			\prod	
		174,759	1985	EPO (James et al.)				\prod	\prod	
		WO 93/JP408	1993	PCT: (Hamamoto et al.)		\prod		\prod	\prod	
		WO 95/21248	2/1995	PCT				\prod		
	•	WO 93/03161	2/1993	PCT						
	•	0 672 754 A1	3/1993	EPO					\prod	
	:	WO 91/15587	4/1991	PCT ·					Ш	
1	,	WO 9602649A1	2/1996	РСТ				1	\mathbb{T}	
M)F	•	Ahlquist and Pacha, F Barton et al., Plant Ph Bruening, G., "Comov Ltd., Coupar Angus, F	Physiol. Plant nysiol. <u>85</u> :110 rirus group, C Perthshire, Sc	3-1109 (1987) M.I./A.A.B. Descriptions of plant viruse cotland. (1978)	s," No. 1	99. W	/m. Culr			
	•			ecture and assembly of tobacco mosaic Viruses, Academic Press, London:237-			s," The i	nole	cular ——-	
	•	Cassidy and Nelson,								
	•	Chapman et al., Plant Charoenvit et al., "Ina sequence," Science 2	bility of mala	ria vaccine to induce antibodies to a pro	tective e	pitope	e within	its		
	•	Charoenvit et al., "Mo J. Immunol. 146:1020		not polyclonal, antibodies protect again	st Plasn	nodiur	n yoelii	spor	ozoite	es,
	•	Citovsky and Zambrys	ski, <i>BioEssay</i>	rs <u>13</u> :373-379 (1991)	: .		• .			
	•	Culver et al., in press,	Virology							
	•	Dawson and Hilf, Ann	. Rev. Plant	Physiol. Plant Mol. Biol. <u>43</u> :527-555 (19	92)					
				e complete genome of tobacco mosaic USA <u>83</u> :1832-1836 (1986)	virus an	d prod	luction o	of inf	ectio	us

David I

10/1/05

∟R.200	(Ž n	
21/-	100	Dawson et al., "Modifications of the tobacco mosaic virus coat protein gene affecting replication, movement, and symptomatology," <i>Phytopathol.</i> 78:783-789 (1988)
AUC	•	Dawson et al., "A tobacco mosaic virus-hybrid expresses and loses an added gene," Virology 172:285-292 (1989)
	•	Dawson, Adv. Virus Res. 38:307-342 (1990)
		Dawson, <i>Virology</i> <u>186</u> :359-367 (1992)
	•	Deom et al., "Plant Virus Movement Proteins," Cell 69:221-224 (1992)
	•	Deom et al., Science 237:389-394 (1987)
	•	Dolja et al., Proc. Natl. Acad. Sci. USA 89:10208 (1992)
	•	Donson et al., "Systemic expression of a bacterial gene by a tobacco mosaic virus-based vector," Proc. Natl. Acad. Sci. USA 88:7204-7208 (1991)
	•	Dunsmuir et al., "Stability of introduced genes and stability of expression," Plant Molecular Biology Manual," Kluwer Academic Publishers, Dordrecht, The Netherlands:C1:1-17 (1988)
	•	Fitchen et al., "Plant virus expressing hybrid coat protein with added murine epitope elicits autoantibody response," Vaccine 13:1051-1057 (1995)
	•	French et al., "Bacterial ene inserted in an engineered RNA virus: Efficient expression in monocotyledonous plant cells," Science 231:1294-1297 (1986)
	•	Gibbs, A.J., "Tobamovirus group, C.M.I./A.A.B. Descriptions of plant viruses," No. 184. Wm. Culross and Son Ltd., Coupar Angus, Perthshire, Scotland (1977)
	•	Goelet et al., "Nucleotide sequence of tobacco mosaic virus RNA," Proc. Natl. Acad. Sci. USA 79:5818-5822 (1982)
	•	Gooding, Jr., G.V., and Hebert, T.T., "A simple technique for purification of tobacco mosaic virus in large quantities," <i>Phytopathology</i> <u>57</u> :1285 (1967).
	•	Hamamoto et al., "A new tobacco mosaic virus vector and its use for the systemic production of angiotensin- I-converting enzyme inhibitor in transgenic tobacco and tomato," Bio/Technology 11:930-932 (1993)
	•	Haynes et al., "Development of a genetically-engineered, candidate polio vaccine employing the self-assembling properties of the tobacco mosaic virus coat protein," Bio/Technology 4:637-641 (1986)
	٠	Horsch et al., "Leaf disc transformation," Plant Molecular Biology Manual, Kluwer Academic Publishers, Dordrecht, The Netherlands: A5:1-9 (1988)
	•	Jagadish et al., "High Level Production of Hybrid otybirus-like Particles Carrying Repetitive Copies of Foreign Antigens in Escherichia coli," Bio/Technology 11:1166-1170 (1993)
	•	Joshi and Joshi, FEBS Letters 281:1-8 (1991)
	•	Joshi et al., "BSMV genome mediated expression of a foreign gene in dicot and monocot plant cells," EMBO J. 9:2663-2669 (1990)
	•	Jupin et al., Virology 178:273-280 (1990)
	8 200 27/- ADENIA	

Jupin et al., virology 176.273-200 (1880)

10/1/05

PY FROM PARENT Kearny et al., Virology 192:000-000 (in press) (1993) Krebbers et al., "Prospects and progress in the production of foreign proteins and peptides in plants," Plant Protein Engineering. (P.R. Shewry and S. Gutteridge, eds.), Cambridge University Press, Cambridge, pp. 315-325 (1992) Kumagai et al., *Rapid, high level expression of biologically active α-trichosanthin in transfected plants by a novel RNA viral vector,":Proc. Natl. Acad. Sci USA 90:427-430 (1993) Larkins et al., J. Cell. Biochem. Suppl. 0(9 Part C):264 (1985) Martelli, Plant Disease 76:436 (1992) Mason et al., "Expression of hepatitis B surface antigen in transgenic plants," Proc. Natl. Acad. Sci. USA 89:11745-11749 (1992) Ogawa et al., Virology 185:580-584 (1991) Ow et al., Science 234:856 (1986) Pelham, H.R.B., "Leaky UAG termination codon in tobacco mosaic virus RNA," Nature 272:469-471 (1978) Porta et al., "Development of Cowpea Mosaic Virus as a High-Yielding System for the Presentation of Foreign Peptides," Virology 202:949-955 (1994) Potrykus, Ann. Rev. Plant Physiol. Plant Mol. Biol. 42:205-225 (1991) Raffo and Dawson, "Construction of Tobacco Mosaic Virus Subgenomic Replicons that are Replicated and Spread Systemically in Tobacco Plants," Virology 184:277-289 (1991) Rowlands et al., eds., Academic Press, London, pp. 237-257 (1987) Saito et al., Virology 176:329-336 (1990) Shaw, "Chlorampheniol acetyltransferase from chloramphenicol-resistant bacteria," Methods in Enzymology 53:737-755 (1975) Skuzeski et al., "The signal for a leaky UAG stop codon in several plant viruses includes the two downstream codons," J. Mol. Biol. 218:365-373 (1991) Takamatsu et al., J. Virol. 65:1619-1622 (1991) Takamatsu et al., J. Virol. 64:3686-3693 (1990) Takamatsu et al., "Expression of bacterial chloramphenicol acetyltransferase gene in tobacco plants mediated by TMV-RNA," EMBO J. 6:307-311 (1987) Takamatsu et al., "Production of enkephalin in tobacco protoplasts using tobacco mosaic virus RNA vector," FEBS Lett. 269:73-76 (1990) Turpen and Dawson, "Transgenic Plants, Fundamentals and Applications," Marcel Dekkar, New York, pp. 195-217 (1992) Turpen, "Ph.D. Dissertation," University of California, Riverside, pp. 72-87 (1992)

Turpen, "Ph.D. Dissertation," University of California, Riverside, pp. 85-105 (1992)

Deeust) F

10/1105

0	IPE		COPY 1
DEC	1 8 200	3 (5)	Turpen, "Ph.D. Dissertation," University of California, Riverside, pp. 106-132 (1992)
Te TH	4DEMAP		Turpen and Dawson, "Amplification, movement and expression of genes in plants by viral-based vectors," Marcel Dekkar, New York, pp. 195-217
		•	Turpen, T.H., "a Molecular Genetic Analysis of Host/Viral Interactions, Implications for the Use of Plant RNA Viruses as Gene Vectors," <i>Chem. Abstracts</i> 120(9):97427 (1992)
		•	Turpen et al., "Malarial Epitopes Expressed on the Surface of Recombinant Tobacco Mosaic Virus," Bio/Technology 10:53-57 (1995)
		•	Usha et al., "Expression of an animal virus antigenic site on the surface of a plantvirus particle," Virology 197:366-374 (1993)
` <u> </u>		•	Van Haute et al., EMBO J. 2:411-417 (1983)
		٠	Von Kammen et al., "Cowpea mosaic virus, C.M.I./A.A.B. Descriptions of plant viruses," No. 197, Wm. Culross and Son Ltd., Coupar Angus, Perthshire, Scotland, pp. 1-5 (1978)
		•	Venton and Schell, NAR <u>13</u> :6981 (1985)
		•	Walden and Schell, Eur. J. Biochem. <u>192</u> :563-576 (1990)
		٠	Weiss et al., "A T cell clone directed at the circumsporozoite protein which protects mice against both Plasmodium yoelii and Plasmodium berghei," <i>J. Immunol.</i> 149:2103-2109 (1992)
		•	Yamaya et al., Mol. Gen. Genet. 211:520-525 (1988)
		٠	Zaitlin et al., "Tobacco mosaic virus (type strain), C.M.I./A.A.B. Descriptions of plant viruses," No. 151, Wm. Culross and Son Ltd., Coupar Angus, Perthshire, Scotland, pp. 1-6 (1975)
		•	Zaitlin and Hull, Ann. Rev. Plant Physiol. 38:291-315 (1987)
\		•	Zambryski et al., EMBO J. <u>2</u> :2143-2150 (1983)
EXAN	AINER/	X	Delected Dy DATE CONSIDERED (8/48)

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

DEC 1 8 2003 &

COPY FROM PARENT

(Modified) PTO/SB/08A-B (10-96) Approved for use through 10/31/99. OMB 0651-0031

ubstitute for form 1449A-B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

	omplete if Known
Application Number	09/755,836- 10/645,695
Filing Date	January 5, 2001 Pha 20, 20, 2013
First Named Inventor	Thomas H. Turpen
Group Art Unit	1638 Unassianed
Examiner Name	David T. Fex Massicarus
Attorney Docket Number	60-008702US- 60-008703US
Date Submitted	June 10, 2003 Dec. 15, 2003

1638

Examiner Initials		U.S. Patent Document		Name of Patentee or Applicant of	Date of Publication of	Pages, Columns, lines,
	Cite No.	Number	Kind Code (if known)	Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passage or Relevant Figures Appe
M	AA	5,929,304		Weissenborn et al.	07-27-1999	
		7				
			1 1			

				FOREIG	N PATENT DOCUMEN	TS		
		Foreign Patent Document			Date of Publication	Pages, Columns, Lines,	Π.	
Examiner Initials	Cite No.	Office	Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	of Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appear	Т
		-						
				<u> </u>			· · · · · · · · · · · · · · · · · · ·	
					•			

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	_
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	١,
MP	AB	Murray et al. (1996) "Production of Recombinant Human Glucocerebrosidase in Plants" FASEB Journal, vol. 10, no. 6, page A1126; abstract	
1	AC	Coppola et al. (1994) "Characterization of glycosylated and catalytically active recombinant human alpha-galactosidase A using a baculovirus vector" Gene, vol. 144, no. 2, pages 197-203.	
			Ī
			1
			+

Examiner Signature	100	recol	T	P	Date Considered	10/1/05
						

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons a	re required to respond to a collection of	information unless it contains a valid OMB control number.
Substitute for form 1449A-B/PTO	C	omplete if Known
Substitute for form 1449A-B/PTO	Application Number	10/645,695
INFORMATION DISCLOSURE, MIS 3/	Filing Date	August 20, 2003
INFORMATION DISCLOSURE 3 2005 STATEMENT BY APPLICABLE 3	First Named Inventor	Thomas H. Turpen
(use as many sheets as nessessance MART	Group Art Unit	1638
The same of the sa	Examiner Name	David T. Fox
(use as many sheets as neses say); m	Attorney Docket Number	60-008703US
	Date Submitted	May 20, 2005

U.S. PATENT DOCUMENTS U.S. Patent Document Name of Patentee or Applicant of Date of Publication of Pages, Columns, lines,										
Examiner Initials	Cite No.	Number	Kind Code (if known)	Cited Document	Cited Document MM-DD-YYYY	Where Relevant Passages or Relevant Figures Appeal				
				·						
	 		 							

				FOREIGI	N PATENT DOCUMEN	TS		
Examiner Initials	Cite No.	Office	Foreign Patent Docu Number	Kind Code (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т
M	01	wo	97/39134	A1	Scottish Crop Research Institute	10-23-1997		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS					
Examiner Cite Initials No.							
DF	02	HAUGHT et al. (1998) "Recombinant production and purification of novel antisense antimicrobial peptide in Escherichia coli." <i>Biotechnology and Bioengineering</i> , vol. 57, no. 1, pages 55-61 (abstract).					
	03	MCCORMICK et al. (1999) "Rapid production of specific vaccines for lymphoma by expression of the tumor-derived single-chain Fv epitopes in tobacco plants." <i>Proceedings of the National Academy of Sciences of the United States of America</i> , vol. 96, no. 2, pages 703-708 (abstract).					
	04	PASQUINELLI et al. (1999) "Vector Engineering Anomalies: Impact on Fusion Protein Purification Performance." <i>Protein Expression and Purification</i> , Academic Press, San Diego, CA, vol. 17, no. 3, pages 449-455 (abstract).					
	05	SUGIYAMA et al. (1995) "Systemic production of foreign peptides on the particle surface of tobacco mosaic virus." FEBS Letters, vol. 359, no. 2-3, pages 247-250 (abstract)					
	-						

		$\overline{}$		/	
Examiner Signature	X Deerl)	7	Date Considered	9/28/05
			,		

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449A-B/

INFORMATION BILLIOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

C	omplete if Known
Application Number	10/645,695
Filing Date	August 20, 2003
First Named Inventor	Thomas H. Turpen
Group Art Unit	1645 /638
Examiner Name	Unassigned OX
Attorney Docket Number	60-008703US
Date Submitted	June 2, 2005

Number 4,921,802 5,316,931 5,589,367 5,618,699	Kind Code (if known)	Cited Document Hall et al. Donson et al. Donson et al. Hamamoto et al.	Cited Document MM-DD-YYYY 05-01-1990 05-31-1994 12-31-1996	Where Relevant Passages or Relevant Figures Appeal
5,316,931 5,589,367		Donson et al. Donson et al.	05-31-1994 12-31-1996	
5,589,367		Donson et al.	12-31-1996	
			 	
5,618,699		Hamamoto et al		
		i iamamoto et al.	04-08-1997	
5,955,647		Fitchen et al.	09-21-1999	
5,977,438		Turpen et al.	11-02-1999	
6,033,895		Garger et al.	03-07-2000	
6,042,832		Koprowski et al.	03-28-2000	
	6,033,895	6,033,895	6,033,895 Garger et al.	6,033,895 Garger et al. 03-07-2000

				FOREIGI	N PATENT DOCUMEN	TS		
Examiner Initials	Cite No.	Office	Foreign Patent Document Kind Code Office Number (if known)		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	т
DIF	09	EP	0 726 312	A2	JOHNSON & JOHNSON CLIN DIAG	08-14-1996		
	10	wo	93/20217	A1	KANEBO LIMITED	10-14-1993		
	11	wo	96/12028	A1	BIOSOURCE TECH INC	04-25-1996		
	12	WO	97/49425	A1	STICHTING INST DIERHOUDERIJ; DANISH VETERINARY INST FOR ANI	12-31-1997		
1	13	wo	99/46288	A2	BIOSOURCE TECH INC	09-16-1999		
		L	L					

Examiner Signature	Dours !	P	Date Considered	9/28/05
•	,			

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO/SB/08A (04-03)
Approved for use through 04/30/2003. OMB 0651-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Heduction Act of 1995, no persons a	are required to respond to a collection of	r information unless it contains a valid OMB control number.		
Substitute for form 1449A-B/PTO	Complete if Known			
	Application Number	10/645,695		
INFORMATION DISCLOSURE	Filing Date	August 20, 2003		
STATEMENT BY APPLICANT	First Named Inventor	Thomas H. Turpen		
	Group Art Unit	1646- 1638		
	Examiner Name	Unassigned TOX		
(use as many sheets as necessary)	Attorney Docket Number	60-008703US		
	Date Submitted	June 2, 2005		

		OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS	
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	Т
OF	14	BAKER et al. (1997) "Polyethylenimine (PEI) is a Simple, Inexpensive and Effective Reagent for Condensing and Linking Plasmid DNA to Adenovirus for Gene Delivery." <i>Gene Therapy</i> , vol. 4, pp. 773-782.	
	15	DALSGAARD et al. (1997) "Plant-derived Vaccine Protects Target Animals Against a Viral Disease." Nat. Biotechnol., vol. 15, pp. 248-252.	
	16	KOO et al. (1999) "Protective Immunity Against Murine Hepatitis Virus (MHV) Induced by Intranasal or Subcutaneous Administration of Hybrids of Tobacco Mosaic Virus that Carries an MHV Epitope." PNAS, vol. 96, pp. 7774-7779.	
V	17	YUSIBOV et al. (1997) "Antigens Produced in Plants by Infection with Chimeric Plant Viruses Immunize Against Rabies Virus and HIV-1." PNAS, vol. 94, pp. 5784-5788.	
		·	
<u></u>			<u> </u>

		\sim				.1
Examiner	1)		Date	9/26/	
Signature	Vecino		F	Considered	7/201	O I

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.